

Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2016, Vermont

Year	Coal	Natural Gas <sup>a</sup>	Petroleum						Hydro-electric Power <sup>e,f</sup>	Biomass		Geo-thermal <sup>f</sup>	Solar <sup>f,i</sup>	Retail Electricity Sales	Net Energy <sup>f,j</sup>	Electrical System Energy Losses <sup>k</sup>	Total <sup>f,j</sup>
			Distillate Fuel Oil	HGL <sup>b</sup>	Motor Gasoline <sup>c</sup>	Residual Fuel Oil	Other <sup>d</sup>	Total		Wood and Waste <sup>f,g</sup>	Losses and Co-products <sup>h</sup>						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Million kWh	Million kWh							
1960	41	0	234	99	0	252	346	931	64	--	--	--	NA	191	--	--	--
1965	14	0	316	77	100	484	301	1,278	53	--	--	--	NA	352	--	--	--
1970	3	1	463	121	68	466	372	1,489	62	--	--	--	NA	787	--	--	--
1975	2	2	364	179	77	421	196	1,237	67	--	--	--	NA	858	--	--	--
1980	2	2	501	245	19	235	156	1,155	70	--	--	--	NA	1,247	--	--	--
1985	6	2	500	70	117	98	445	1,230	70	--	--	--	NA	1,518	--	--	--
1990	1	2	554	85	81	115	146	981	17	--	--	--	(s)	1,381	--	--	--
1995	0	2	328	220	89	144	278	1,058	18	--	--	--	(s)	1,484	--	--	--
1996	0	2	326	196	90	210	327	1,149	16	--	--	--	(s)	1,537	--	--	--
1997	107	2	345	77	95	212	830	1,560	22	--	--	--	(s)	1,561	--	--	--
1998	0	2	379	144	76	168	329	1,095	24	--	--	--	(s)	1,534	--	--	--
1999	80	3	409	19	82	149	248	908	20	--	--	--	(s)	1,587	--	--	--
2000	0	4	381	223	79	207	277	1,166	20	--	--	--	(s)	1,646	--	--	--
2001	0	3	366	303	170	149	358	1,344	16	--	--	--	(s)	1,608	--	--	--
2002	0	3	338	229	179	132	205	1,083	16	--	--	--	(s)	1,592	--	--	--
2003	0	2	445	139	210	141	178	1,112	6	--	--	--	(s)	1,460	--	--	--
2004	0	3	586	145	237	151	537	1,656	21	--	--	--	(s)	1,577	--	--	--
2005	0	3	560	259	235	156	210	1,419	21	--	--	--	(s)	1,644	--	--	--
2006	0	3	509	411	264	130	149	1,463	22	--	--	--	(s)	1,626	--	--	--
2007	0	3	396	220	198	151	352	1,318	2	--	--	--	(s)	1,635	--	--	--
2008	0	3	519	165	115	117	59	976	21	--	--	--	(s)	1,565	--	--	--
2009	0	3	533	91	114	105	622	1,466	25	--	--	--	(s)	1,383	--	--	--
2010	0	3	551	71	149	97	R 807	R 1,675	25	--	--	--	(s)	1,446	--	--	--
2011	0	3	678	72	149	96	R 751	R 1,746	24	--	--	--	(s)	1,417	--	--	--
2012	0	3	608	65	127	56	R 745	R 1,602	23	--	--	--	(s)	1,422	--	--	--
2013	0	1	497	106	129	90	R 825	R 1,647	0	--	--	--	(s)	1,446	--	--	--
2014	0	2	539	85	124	61	R 792	R 1,601	0	--	--	--	(s)	1,418	--	--	--
2015	0	2	521	75	95	27	R 766	R 1,485	0	--	--	--	(s)	1,422	--	--	--
2016	0	2	550	53	91	14	650	1,358	0	--	--	--	(s)	1,446	--	--	--
Trillion Btu																	
1960	1.1	0.0	1.4	0.4	0.0	1.6	2.2	5.5	0.7	4.4	NA	NA	NA	0.7	12.4	1.6	14.0
1965	0.4	0.0	1.8	0.3	0.5	3.0	1.9	7.6	0.6	4.1	NA	NA	NA	1.2	13.9	2.9	16.7
1970	0.1	1.1	2.7	0.5	0.4	2.9	2.4	8.8	0.6	4.3	NA	NA	NA	2.7	17.6	6.5	24.1
1975	0.1	1.5	2.1	0.7	0.4	2.6	1.1	7.0	0.7	4.1	NA	NA	NA	2.9	16.3	7.0	23.3
1980	(s)	1.6	2.9	0.9	0.1	1.5	0.9	6.3	0.7	9.5	NA	NA	NA	4.3	22.5	10.2	32.7
1985	0.1	1.9	2.9	0.2	0.6	0.6	2.8	7.2	0.7	11.2	0.0	NA	NA	5.2	26.3	11.9	38.2
1990	(s)	1.8	3.2	0.3	0.4	0.7	0.8	5.5	0.2	2.1	0.0	0.0	(s)	4.7	14.4	8.0	22.4
1995	0.0	2.1	1.9	0.8	0.5	0.9	1.8	5.9	0.2	3.2	0.0	0.0	(s)	5.1	16.5	6.5	23.0
1996	0.0	2.0	1.9	0.7	0.5	1.3	2.1	6.5	0.2	2.9	0.0	0.0	(s)	5.2	16.9	7.2	24.0
1997	2.6	2.4	2.0	0.3	0.5	1.3	5.5	9.6	0.2	3.2	0.0	0.0	(s)	5.3	23.4	7.0	30.4
1998	0.0	2.1	2.2	0.5	0.4	1.1	2.0	6.2	0.2	2.7	0.0	0.0	(s)	5.2	16.5	6.6	23.1
1999	2.0	2.9	2.4	0.1	0.4	0.9	1.6	5.4	0.2	2.5	0.0	0.0	(s)	5.4	18.4	5.1	23.6
2000	0.0	4.0	2.2	0.8	0.4	1.3	1.7	6.5	0.2	3.0	0.0	0.0	(s)	5.6	19.3	7.7	26.9
2001	0.0	2.6	2.1	1.1	0.9	0.9	2.3	7.3	0.2	2.6	0.0	0.0	(s)	5.5	18.2	8.0	26.2
2002	0.0	3.1	2.0	0.8	0.9	0.8	1.3	5.9	0.2	1.3	0.0	0.0	(s)	5.4	15.9	9.4	25.3
2003	0.0	2.5	2.6	0.5	1.1	0.9	1.1	6.2	0.1	1.2	0.0	0.0	(s)	5.0	14.9	9.5	24.3
2004	0.0	2.8	3.4	0.5	1.2	0.9	3.5	9.6	0.2	1.5	0.0	0.0	(s)	5.4	19.5	9.6	29.1
2005	0.0	2.6	3.3	0.9	1.2	1.0	1.3	7.7	0.2	2.2	0.0	0.0	(s)	5.6	18.4	9.4	27.7
2006	0.0	2.8	3.0	1.5	1.4	0.8	1.0	7.6	0.2	2.5	0.0	0.0	(s)	5.5	18.6	9.2	27.8
2007	0.0	3.0	2.3	0.8	1.0	1.0	2.3	7.4	(s)	1.6	0.0	0.0	(s)	5.6	17.5	9.1	26.7
2008	0.0	3.0	3.0	0.6	0.6	0.7	0.4	5.3	0.2	1.5	0.0	0.0	(s)	5.3	15.4	8.8	24.2
2009	0.0	2.9	3.1	0.3	0.6	0.7	4.1	8.8	0.2	1.4	0.0	0.0	(s)	4.7	18.0	7.7	25.8
2010	0.0	2.9	3.2	0.3	0.8	0.6	R 5.3	R 10.1	0.2	R 2.2	0.0	0.0	(s)	4.9	R 20.4	8.1	R 28.5
2011	0.0	2.8	3.9	0.3	0.8	0.6	R 5.0	R 10.5	0.2	R 0.4	0.0	0.0	(s)	4.8	R 18.9	7.8	R 26.7
2012	0.0	2.7	3.5	0.3	0.6	0.4	R 4.9	R 9.7	0.2	R 0.4	0.0	0.0	(s)	4.9	R 17.9	4.1	R 22.0
2013	0.0	1.3	2.9	0.4	0.7	0.6	R 5.4	R 9.9	0.0	R 0.4	0.0	0.0	(s)	4.9	R 16.6	3.8	R 20.4
2014	0.0	1.9	3.1	0.3	0.6	0.4	R 5.2	R 9.6	0.0	R 0.4	0.0	0.0	(s)	4.8	R 16.8	4.1	R 20.9
2015	0.0	2.1	3.0	0.3	0.5	0.2	R 5.0	R 9.0	0.0	R 0.4	0.0	0.0	(s)	4.9	R 16.4	1.7	R 18.1
2016	0.0	2.2	3.2	0.2	0.5	0.1	4.2	8.2	0.0	0.4	0.0	0.0	(s)	4.9	15.7	2.0	17.7

<sup>a</sup> Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

<sup>b</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

<sup>c</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.

<sup>d</sup> Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

<sup>e</sup> Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

<sup>f</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

<sup>g</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

<sup>h</sup> Losses and co-products from the production of fuel ethanol.

<sup>i</sup> Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.

<sup>j</sup> For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline

column. Beginning in 2009, includes a small amount of wind energy consumed by industrial utility-scale facilities. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

<sup>k</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

kWh = Kilowatthours. -- = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.